

INTERNATIONAL SEARCH REPORT

PCT/IB 03/03150

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06F9/345 G06F9/38 G06F9/312

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 590 353 A (SAKAKIBARA TADAYUKI ET AL) 31 December 1996 (1996-12-31) column 10, line 13 - line 56 column 15, line 15 - column 16, line 55	1-8
X	WO 01 98893 A (KONINKL PHILIPS ELECTRONICS NV ; PHILIPS ELECTRONICS NA (US)) 27 December 2001 (2001-12-27) page 11, line 28 - page 12, line 30	1,2,4,5, 7,8
A	US 5 155 823 A (TSUE YOSHIKI) 13 October 1992 (1992-10-13)	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

5 November 2003

Date of mailing of the international search report

12/11/2003

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Patent document cited in search report		Publication date	Patent family member(s)		Publication date
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WO 0198893	A	27-12-2001	US	6463518 B1	08-10-2002
			EP	1297416 A1	02-04-2003
			WO	0198893 A1	27-12-2001
US 5155823	A	13-10-1992	JP	1265347 A	23-10-1989
			KR	9210962 B1	26-12-1992